

# BELT TENSIONING DEVICE

## Abstract

A belt tensioning device for a continuous belt drive. The device includes a torsion spring assembly (20) with a longitudinal axis ( $A_2$ ) and with at least one torsion bar or torsion tube (32). The torsion spring assembly (20) can be clamped axially and in a rotationally fast way into a rack. A tensioning arm (19), at one end, is arranged at the torsion spring assembly (20) so as to be aligned approximately radially relative to the longitudinal axis ( $A_2$ ). A tensioning roller (15) is rotatably fixed at the other end of the tensioning arm (19). The axis of rotation ( $A_1$ ) of the tensioning roller (15) extends substantially parallel relative to the longitudinal axis ( $A_2$ ) of the torsion spring assembly (20), and the tensioning arm (19) can be resiliently supported relative to the rack so as to oscillate around the longitudinal axis ( $A_2$ ).